



ACIDS, BASES, SALTS

1) Give the typical classification of each of these substances.

	Strong acid	Weak acid	Salt	Weak base	Strong base
potassium sulfate			✓		
ammonia				✓	
ammonium nitrate			✓		
barium hydroxide					✓
methanoic acid		✓			
hydrochloric acid	✓				
sodium propanoate			✓		

2) When each of the following substances are mixed, typically what reaction (if any) will occur. Write an equation for any reaction(s) that occur.

a) propanoic acid + sodium hydroxide



b) nitric acid + potassium nitrate

no reaction

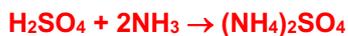
c) sodium hydroxide + sodium ethanoate

no reaction

d) ethanoic acid + sodium ethanoate

no reaction

e) sulfuric acid + ammonia



f) ammonia + sodium ethanoate

no reaction

g) methylamine + sodium hydroxide

no reaction